



# Coalition 2017 Outreach & Education Meeting

Creating Connections for Science

October 17, 2017

# Welcome!



National Institute of  
Arthritis and Musculoskeletal  
and Skin Diseases



# 2017 Outreach & Education Meeting

Creating Connections for Science

October 17, 2017

## The State of the Institute

**Stephen I. Katz, M.D., Ph.D.**

Director, National Institute of Arthritis and  
Musculoskeletal and Skin Diseases

National Institutes of Health

U.S. Department of Health and Human Services



National Institute of  
Arthritis and Musculoskeletal  
and Skin Diseases

# **Creating Connections for Science: State of the Institute**

- **Raising Awareness of Arthritis and Musculoskeletal and Skin Diseases**
- **Supporting Research**
- **Looking to the Future**

# Since our 2015 Outreach and Education Day ...



October 27, 2015  
Rockville, Maryland

# Since our 2015 Outreach and Education Day ...

- Congressional Briefings
- Courtesy Visits with Members of Congress



July 2017

September 2016



MYOTONIC  
DYSTROPHY  
FOUNDATION



SCLERODERMA  
FOUNDATION  
SUPPORT • EDUCATION • RESEARCH



October 2015

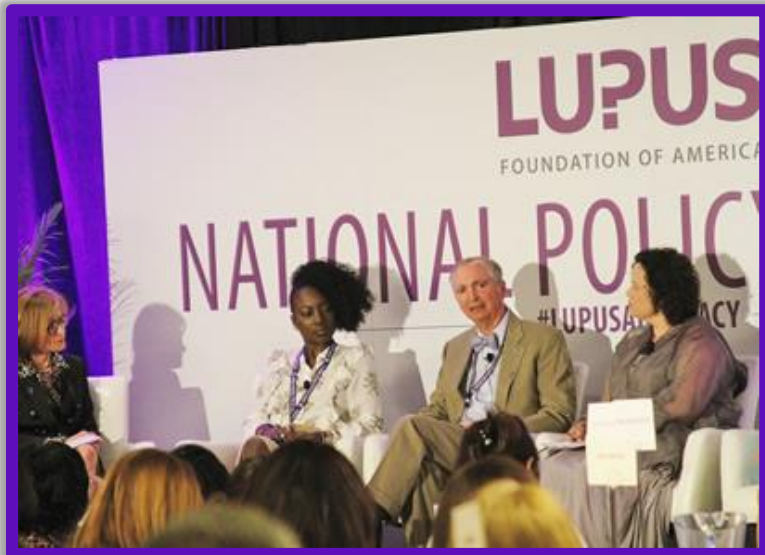
# Since our 2015 Outreach and Education Day ...

January 2016

- Congressional Briefings
- Courtesy Visits with Members of Congress
- Outreach Events for Patients and Families



 THE **MARFAN**  
FOUNDATION



June 2017



March 2017

# Since our 2015 Outreach and Education Day ...

- Congressional Briefings
- Courtesy Visits with Members of Congress
- Outreach Events for Patients and Families
- Congressional Tours



# Since our 2015 Outreach and Education Day ...

- **Print and Electronic Communications**



## Healthy Moments Radio Broadcast

One-minute tips on living a healthy lifestyle featuring Dr. Griffin Rodgers, Director of NIDDK.

# Since our 2015 Outreach and Education Day ...

- **Print and Electronic Communications, including Twitter and Facebook**



## Psoriasis Twitter Chat

Join experts from NIAMS, NHLBI,

- National Psoriasis Foundation
- American Academy of Dermatology



## Twitter Chat on Juvenile Arthritis!

- Arthritis Foundation
- American College of Rheumatology
- Childhood Arthritis & Rheumatology Research Network



Join us for our next Twitter chat:  
**Scleroderma**



**THURSDAY, JUNE 29, 1:00 P.M. EDT**

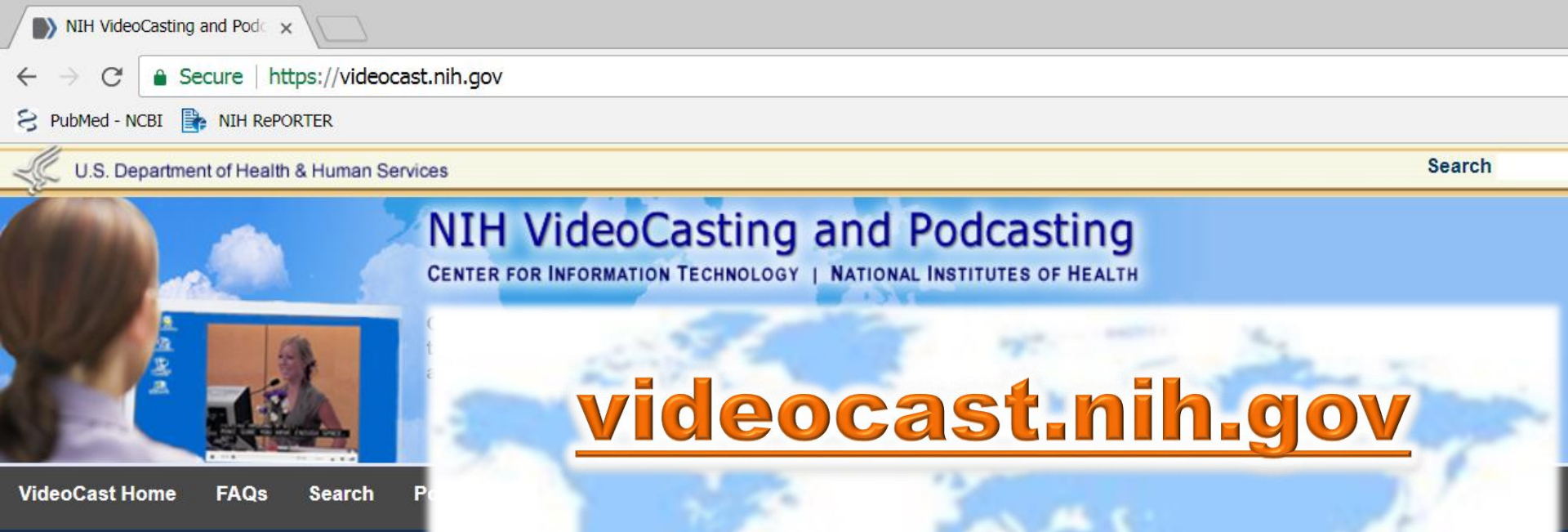
- Scleroderma Foundation
- Scleroderma Research Foundation

## Bilingual Facebook Chat



Osteoporosis Q&A / Sesión de preguntas y respuestas sobre Osteoporosis

- National Osteoporosis Foundation
- National Bone Health Alliance



## Upcoming NIAMS Advisory Council Meeting Dates

- February 7, 2018
- June 12, 2018
- September 5, 2018
- February 5, 2019
- June 12, 2019
- September 10, 2019

# Since our 2015 Outreach and Education Day ...

- Participation by Coalition members in NIAMS activities so we hear all perspectives



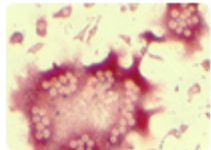
Roundtable on Gaps and Emerging Opportunities in Psoriatic Arthritis, 2017

Incoming Council members, 2016



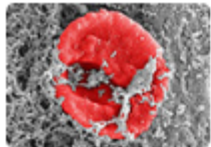
[Community Outreach](#)[Publications in Asian Languages](#)[Portal en español](#)[HEALTH  
TOPICS](#)[GRANTS &  
FUNDING](#)[LABS @  
NIAMS](#)[CLINICAL  
TRIALS](#)[NEWS  
ROOM](#)[ABOUT  
NIAMS](#)

## Health Topics



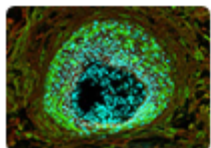
### [Arthritis and Rheumatic Diseases](#)

Arthritis is a type of rheumatic disease. Rheumatic diseases usually affect joints, tendons, ligaments, bones, and muscles.



### [Muscle and Bone Diseases](#)

The musculoskeletal system consists of the body's bones, muscles, tendons, ligaments, joints, and cartilage.



### [Skin Diseases](#)

Allergies, irritants, genetic makeup, certain diseases, and immune system problems can cause skin conditions.

## Resources



### [Portal en español](#)

Find Spanish-language resources for conditions of bones, joints, muscles, and skin.



### [Osteoporosis and Related Bone Diseases National Resource Center](#)

Learn how to promote good bone health.

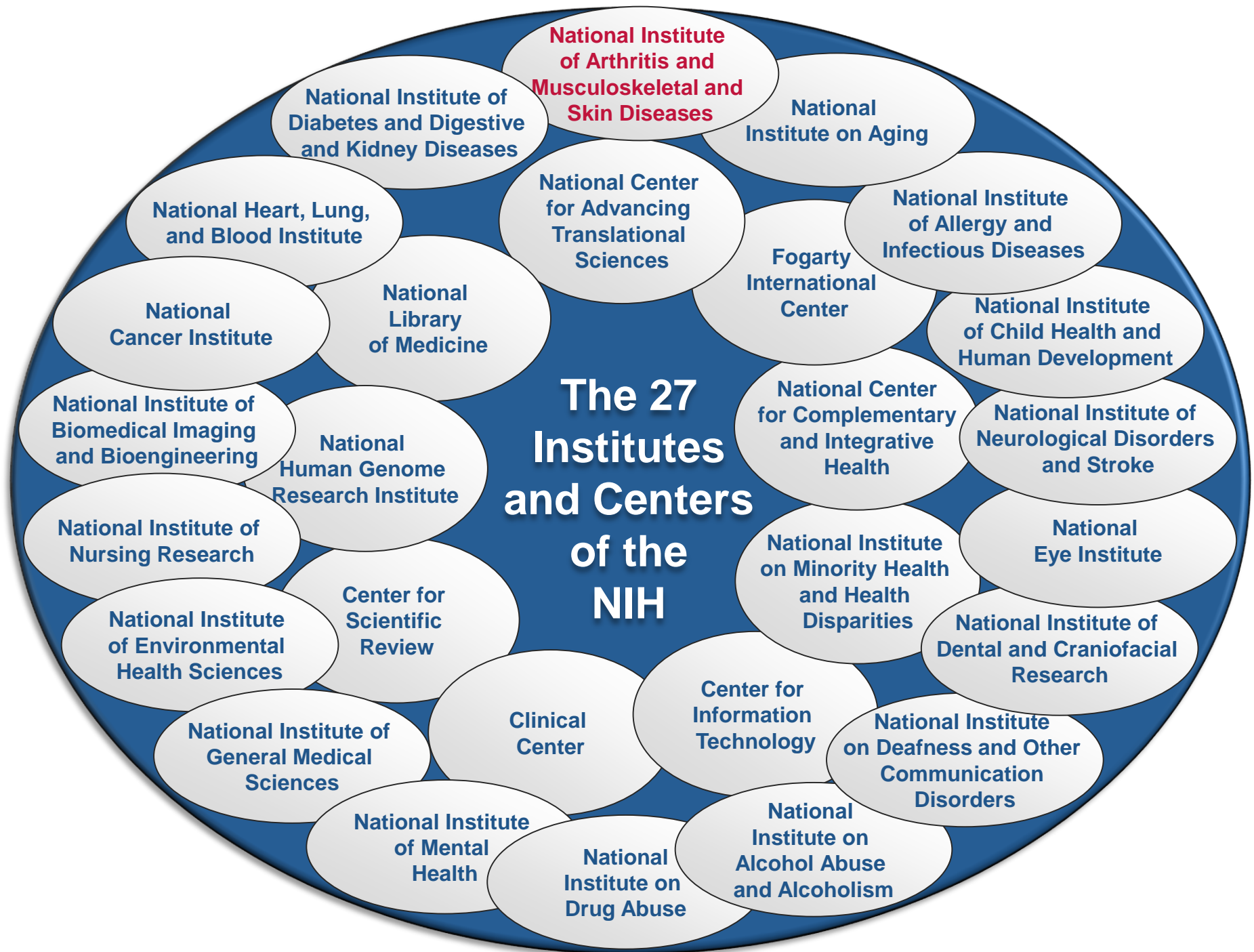


### [Asian-Language Publications](#)

Find Asian-language resources for conditions of bones, joints, muscles, and skin.

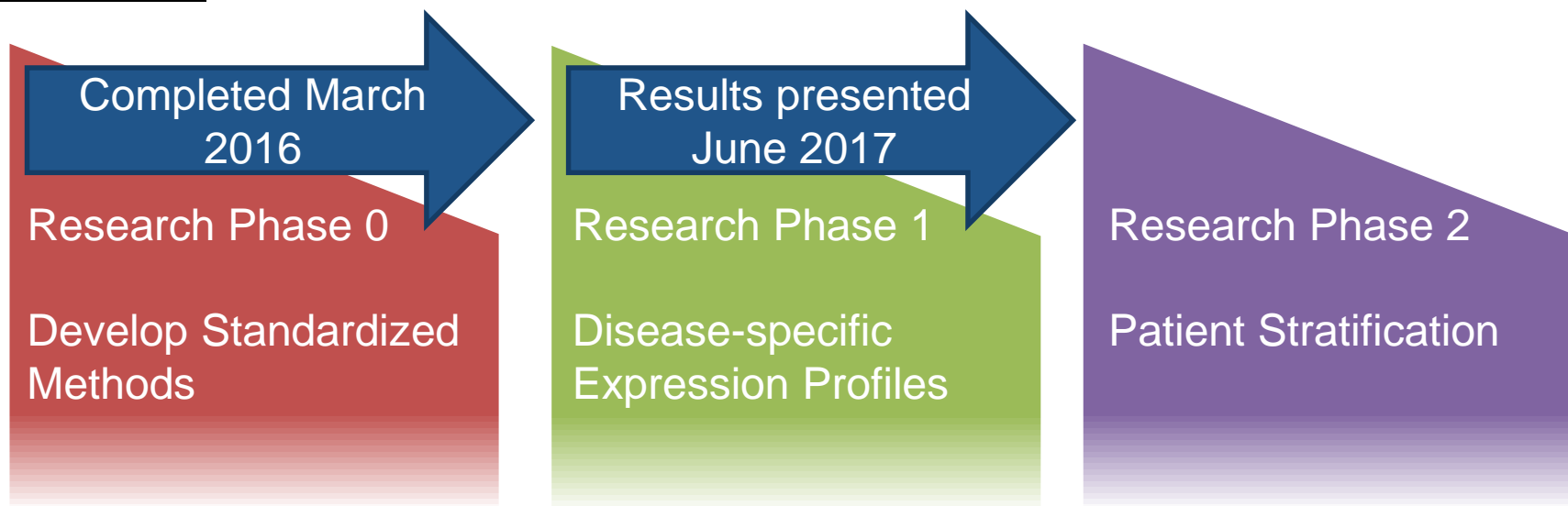
# **Creating Connections for Science: State of the Institute**

- Raising Awareness of Arthritis and Musculoskeletal and Skin Diseases
- **Supporting Research**
- Looking to the Future





# Accelerating Medicines Partnership (AMP) in Rheumatoid Arthritis/Lupus



## NIH:

- NIAMS
- NIAID

## Industry partners:

- AbbVie
- Bristol-Myers Squibb
- Merck
- Pfizer
- Sanofi
- Takeda

## Non-profit partners:

- Arthritis Foundation
- Lupus Foundation of America
- Lupus Research Institute / Alliance for Lupus Research
- Rheumatology Research Foundation
- Foundation for the NIH

# The Foundation for the NIH Biomarkers Consortium



Results:  
2015 and  
2016

- **Osteoarthritis Project**
  - Partners include the **Arthritis Foundation** and **Osteoarthritis Research Society International (OARSI)**
- **Bone Quality Project**
  - Partners include the **American Society for Bone and Mineral Research**
- **Treatments Against RA and Effect on FDG PET-CT (TARGET Biomarker Study)**
  - Partners include the **Arthritis Foundation**



Started:  
2017



Results:  
2016 and  
2017

# Communicating Research Progress and Impact

January 13, 2016

**New research reinforces call for early detection, appropriate treatment for scoliosis patients**

*AAOS, AAP, POSNA and SRS revise scoliosis position statement*

Myocardial Inflammation Elevated in RA Patients, But Disease-Modifying Therapy Can Improve It

November 12, 2016

This research was supported by funding from the NIH's National Institute of Arthritis and Musculoskeletal and Skin Diseases.

... the 2013, multi-center National Institutes of Health (NIH)-funded study, Bracing in Adolescent Idiopathic Scoliosis Trial (BrAIST), documented significant success ....

Bracing has been controversial with studies both center National Institutes of Health (NIH)-funded documented significant success in preventing spinal diagnosed, and treated with a custom brace.

Healing power of a protein could help psoriasis

Your skin may be armed with a special mechanism to heal psoriasis plaques.

05/06/15 | Melissa Leavitt

You probably know that in inflammatory diseases such as [psoriasis](#), your immune system attacks your own skin. But don't rest assured — your body is ready to fight back. According to results from a new study, your skin is armed with a mechanism that helps heal psoriasis plaques.

pathic scoliosis can decrease the MD, co-author of the revised

Support for this research was also provided by the National Institutes of Health.

Intensive care visits for girls at age 10

# Other Types of Collaborations with Coalition Members

- **Research**

- Pilot or bridge funding
- Recruitment for clinical studies



- **Training**

- Training and career development awards
- Career development/bridge funding awards



# Partnering with Other Federal Agencies

## The Voice of the Patient: A Series of Reports from FDA's Patient-Focused Drug Development Initiative



SHARE



TWEET



LINKEDIN



PIN IT



EMAIL

FDA's [Patient-Focused Drug Development](#)

Prescription Drug User Fee Act (PDUFA V)

condition and available therapies to treat the

public meetings over the

Patient re

me

### External Workshops

- **Myotonic Dystrophy:** September 15, 2016
- **Osteoarthritis:** March 8, 2017
- **Lupus:** September 25, 2017

### FDA Workshops

- **Fibromyalgia:** March 2014
- **Psoriasis:** March 17, 2016
- **Sarcopenia:** April 6, 2017
- **Alopecia areata:** September 11, 2017

# The future of health begins with **All***of***Us**



# Pathways to Prevention:

Weighing the evidence. Identifying the research gaps. Determining next steps.

- **NIH Pathways to Prevention Goals:**

- Identify research gaps in a selected scientific area, identify methodological and scientific weaknesses in that scientific area.
- Suggest research needs.
- Move the field forward through an unbiased, evidence-based assessment of a complex public health issue.

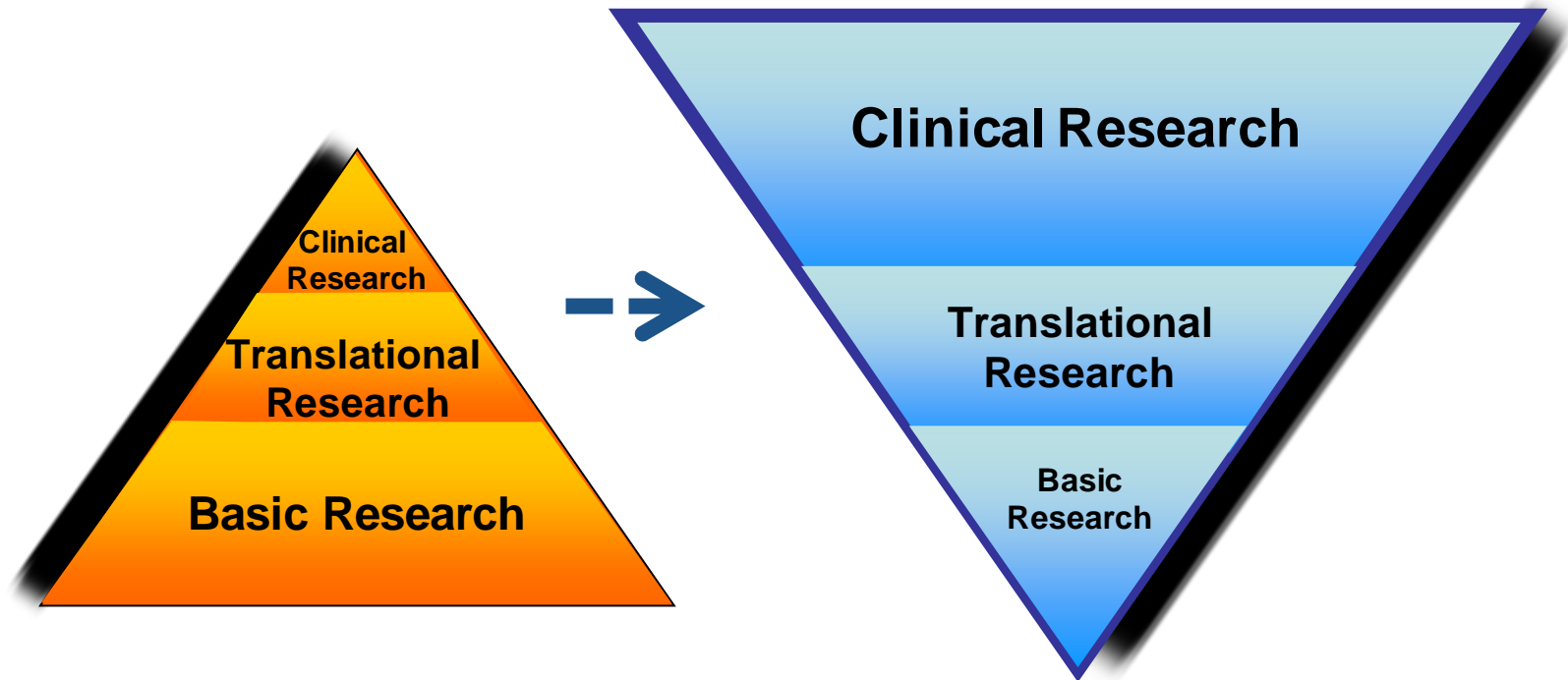
- **Topic:** *Appropriate Use of Drugs for Osteoporosis Fracture Prevention*

- **NIH / AHRQ Timeframe:**

- NIH develops proposal. **\*\*Done\*\***
- AHRQ contracts with Evidence-based Practice Center to develop an evidence report. **\*\*In progress\*\***
- NIH holds a workshop. **\*\*Fall 2018\*\***
- Workshop panel produces a report.
- NIH evaluates next steps.



# Discovery—a Core Value for the NIH

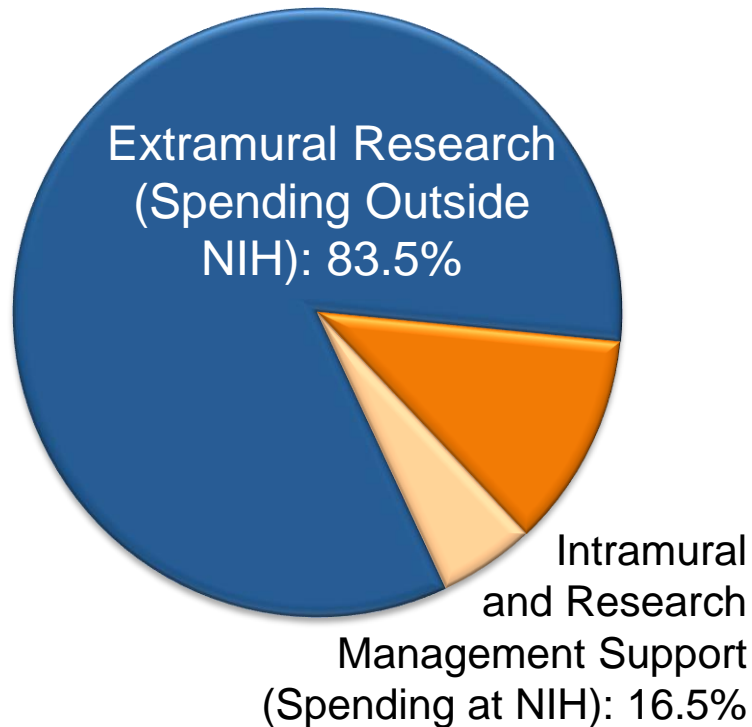


**NIH FY 2016 ~ \$32B**  
(NIAMS ~\$541M)

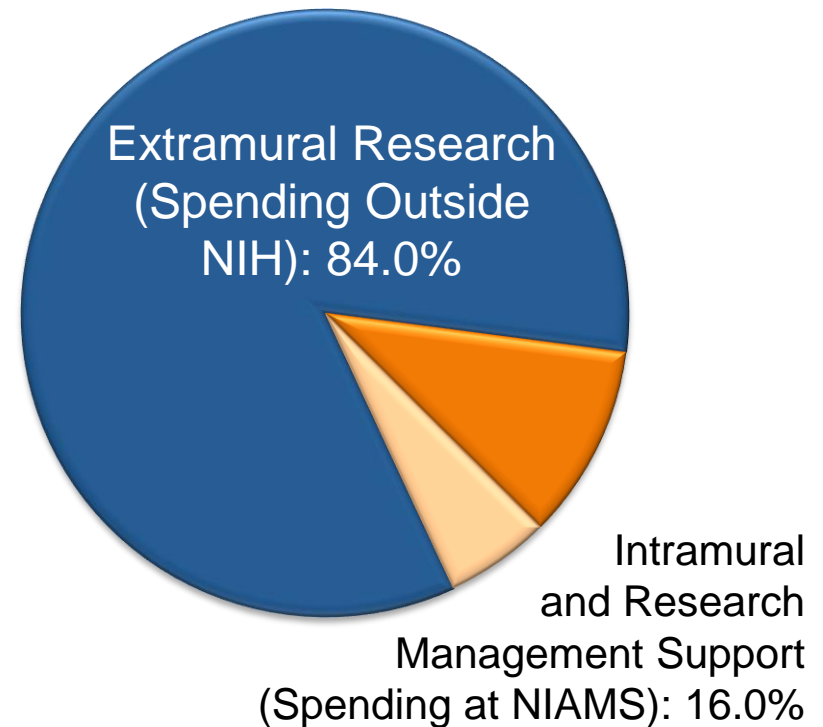
**Industry ~ \$70B**

# NIH and NIAMS FY 2016 Spending

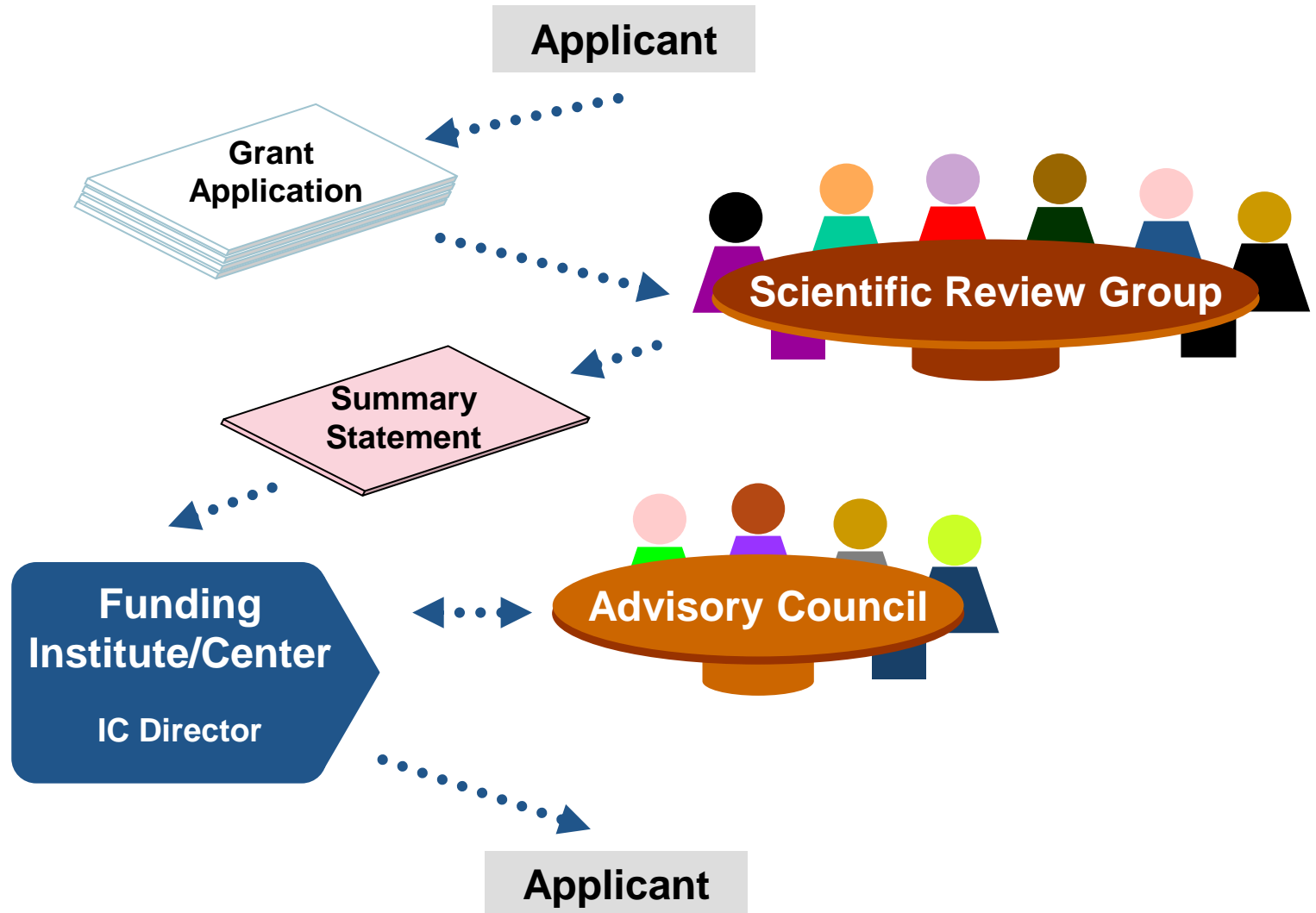
**NIH**  
**\$32.2 Billion**



**NIAMS**  
**\$540.9 Million**



# The NIH Grant Application Process



# NIAMS Priority Setting

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## **Commentary: Setting priorities for research funding at the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)**

Stephen I. Katz, MD, PhD  
*Bethesda, Maryland*

“Fund the most outstanding research proposals that we receive.”

“Invest in the future by supporting scientists exploring research careers and by funding early-stage researchers.”

*J Am Acad Dermatol. 2015.*



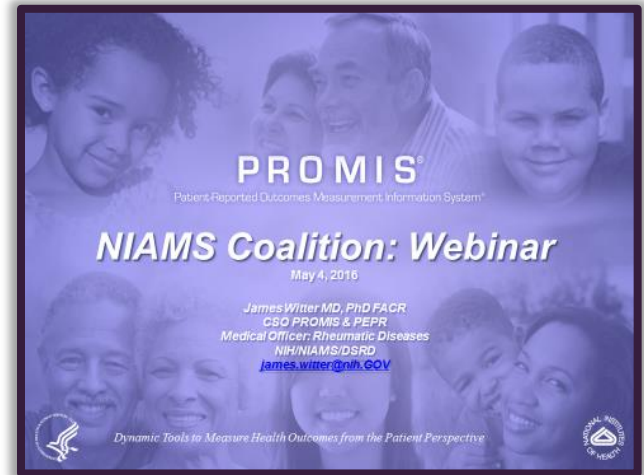
# Creating Connections for Science

## 2016-2017 Webinars

### Resources and Tools for Researchers

### NIH Grant Fundamentals

MELINDA NELSON  
Chief Grants Management Officer, NIAMS  
May 2017



### Clinical Trials 101: The Basics



### Increasing the Availability of Clinical Trial Information

Shahnaz Khan, MPH  
Clinical Research Manager  
NIAMS, Extramural Program  
November 30, 2016

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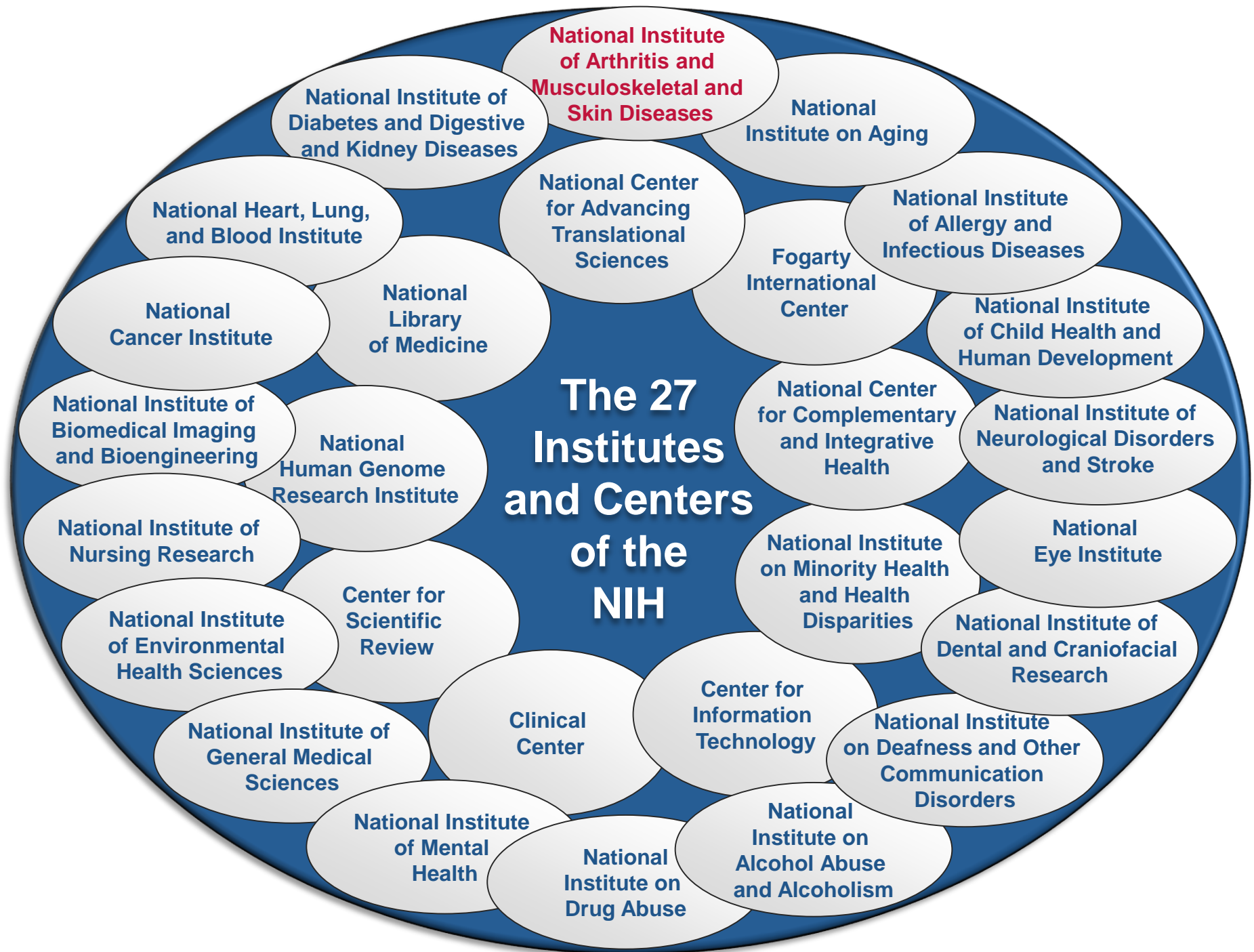
# The NIH and NIAMS Budget

	Fiscal Year 2017 (Enacted)	Fiscal Year 2018 (Proposed)		
		President	House Committee	Senate Committee
<b>NIH</b>	\$34,301.0 M	\$26,919.7 M	\$35,184.0 M	\$36,084.0 M
<b>NIAMS</b>	\$557.9 M	\$417.9 M	\$566.5 M	\$576.2 M

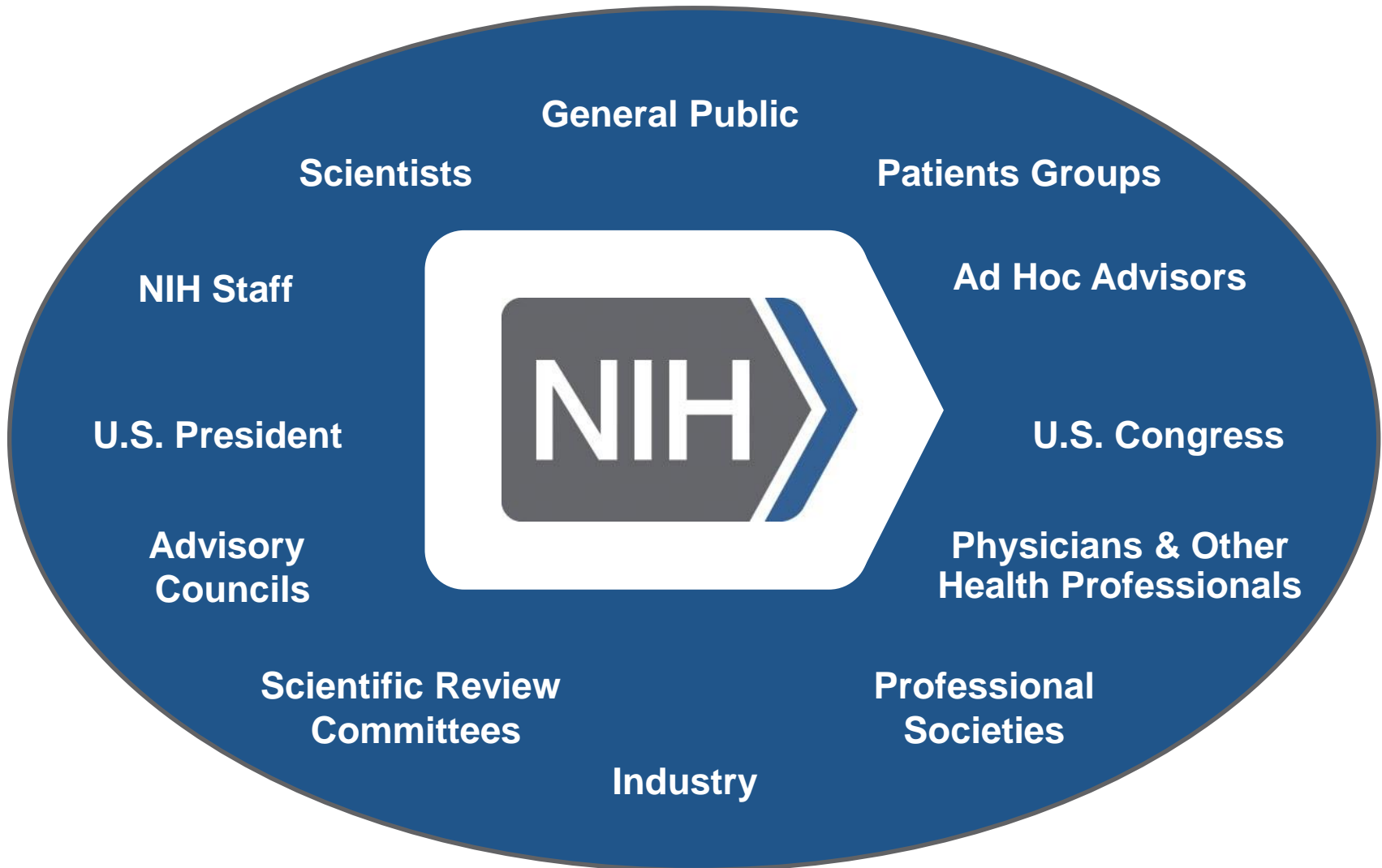
# FY 2017 Funding Opportunities

## THE 21ST CENTURY CURES ACT

- **Research Collaborations on Immune-Related Adverse Events Associated with Cancer Immunotherapy**
  - **Participants:** NCI, NIAID, **NIAMS**
  - **Purpose:** To support collaborative pilot projects to generate ideas and approaches for reducing the incidence and severity of auto-inflammatory or autoimmune responses to cancer immunotherapy.
- **Regenerative Medicine Innovation Projects**
  - **Participants:** NHLBI, NEI, NIA, NIAID, **NIAMS**, NIBIB, NIDCD, NIDCR, NIDDK, NIMH, NINDS, NCATS
  - **Purpose:** To support clinical research in regenerative medicine using adult stem cells.



# Every Voice Counts



# Connect with Us!

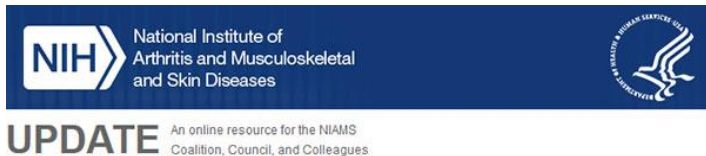
## Follow Us



### Follow NIAMS on social media:

Be a part of the conversation about keeping your bones, joints, muscles, and skin healthy.

## E-Newsletters



Honoring Health: Resources for  
American Indians and Alaska Natives

### Stay connected through our e-newsletters:

- NIAMS Update
- Community Outreach Bulletin
- Honoring Health: Resources for American Indians and Alaska Natives